

AY 201
C3A465
LIBRARY OF CONGRESS
1659
A N
ALMANACK
OF THE COELESTIAL MOTIONS
FOR THIS PRESENT YEAR
of the Christian Æra
1659.

Being (in our account) Bissextile or Leap-
year, and from the Creation (according to
most Computation) 5608.

Whose Vulgar Notes are

Golden number 7. Cycle of the Sun 16.
The Epact 17. Dominical Letter B.

Fitted to 215 degrees of Longitude, the (supposed)
Meridian of the MASSACHUSETTS BAY, where the
Pole Arctic is Elevated 42 gr. and 30 min. and
may without any sensible error be applied to
any part of New-England.

By Zach: Briden Astrophil:

Et dixit Deus. Supra Luminaria in Expansu Cœli, ad
designandum dies, Noctem & Nottem; & signa
Tempora, in Dies & Annos.

C A M B R I D G

Printed by Samuel Green 1659.

1654.

1659.

There will be four Eclipses this Year.

TWice shall this Planet wheron we live, and it's concomitant the Moon, widdow each other of their Sun-derived luster: the two first of which Eclipses, by reason of the infra-terreanean fire of the Luminaries, will dis-appear in our Hemispher.

The first visible Eclipse is of the Moon, partial, upon the 19 day of October.

The begining	9 h. 02 min.
The middle	10 h. 30 min.
The end	11 h. 58 min.

The total duration will be 2 h. 55 min. and digits eclipsed 7.

The Last eclipse is of the Sun, upon the 4 day of November, in y morning, which (if the eye be ser ene) will be conspicuous in the aforesaid Longitude & Latitude, as is here described:

The begining	7 h. 06 min.
Greatest Obscuration	8 h. 32 min.
End of the Eclipse	9 h. 34 min.

The total duration is 2 h. 28 min. and digits Eclipsed 9.

Astra regunt mundum: at sapiens dominabitur astris

IF Stars do rule the world, strange fate I wis
By direfull aspects then portended is:
The prudent soul yet mounts above the skye,
And anticipates celestial destiny.

The Use of the Almanack.

NExt under the rising and setting of the Sun, In the First Column are set down the month-dayes, In the Second Column the week-dayes. In the Third Column is set down y rising, setting & southing of some of y principall fixt stars: (where note as also in the aspects of y Planets, th r y day Astronomical is made use of, which takes its beginning at noon, and from thence y houres are reckoned to y Meridian of y ensuing day) as also the orientality, occidentality, direction, retrogradation & station of y Planets; the changes of y Moon, and Courts &c.

In the two following Columns is express y true place of y Sun & Moon, respectively corresponding to y noon tide of each day. In the last are placed y most powerful Aspects of y Planets, the Apogee & Perigee of y Moon, and when in her Nodes, the aphelion & perihelion of the other Planets, with their application to some of the fixt Starrs.

In the lower Columns is set down (as is express) the Longitude of the Planets mentioned, fitted to the Meridian of every high day whose intermediate non-inserted places are easily excerpted by Sexagenary or logarithmical Arithmetick.

The first month called *March* hath xxxj dayes.

month	week	dayes	On the	1 st	day, the Sun riseth at	6 12 m.	& sets at	5 48 m.
				10		6 00 m.		6 00 m.
				20		5 45 m.		6 15 m.

1	3	Court Assist. Boston, &	21	✠	12	24	♂ ♀ ☿ 6.
2	4	(N-haven.	22	♏	09	♂ ♀ ♄ 2.	
3	5	Quarter Court Hartford.	23	♏	24	♂ ♀ ♄ 15.1	
4	6	(at night.	24	♏	08	☾ perig ☾	
5	7	East quarter 4 h. 18 m.	25	♏	22	♀ Aphelion	
6	1	Spica Virg. sets 16 h. 55 m	26	♏	06		
7	2		27	♏	20	♂ ♀ ☿ 2: ☐ ♀ ☿ 15	
8	3		28	♏	04	♂ ♀ Lun. 7.	
9	4	Orions foot sets 10 h. 29	29	♏	17	♂ ♀ Lun. 1. 2.	
10	5		00	♏	01	♂ ♀ Lun. 6.	
11	6	Sirius sets 11 h. 2 m.	01	♏	15		
12	7	New moon 5 h. 42 m.	02	♏	28	♂ ♀ ☿ 8. ♂ ♀ ☿ 23	
13	1	(at night.	03	♏	11		
14	2		04	♏	24	♂ ♀ ☿ 7. ☐ ♀ ☿ 16.	
15	3	Lucida Cor. rise 9 h. 37 m.	05	♏	07	☐ ♀ Lun. 12.	
16	4		06	♏	19	☐ ♀ Lun. 9 p.	
17	5	Aldebaran sets 10 h. 50 m	07	♏	01	☾ with the 7 Stars.	
18	6		08	♏	13	♂ ♀ ☿ 4. ☾ Apog.	
19	7	(at night.	09	♏	25	♂ ♀ ☿ 7. ♂ ♀ ☿ 1.	
20	1	Second quart. 6 h. 36 m	10	♏	06		
21	2	Jupiter Direct.	10	♏	18	☐ ♀ ☿ 17. ♂ ♀ ☿ 4.	
22	3	Lucid. piei. sets 10 h. 15	11	♏	00	♂ ♀ ☿ 14.	
23	4		12	♏	13	♂ ♀ ☿ 11. ☐ ♀ ☿ 1.	
24	5		13	♏	25	♂ ♀ Lun. 6.	
25	6	Arctur. South 12 h. 43 m.	14	♏	08		
26	7		15	♏	22	♂ ♀ Lun. 17.	
27	1	(morn.	16	♏	06	♂ ♀ ☿ 3.	
28	2	Full moon 5 h. 37 m.	17	♏	20	♂ ♀ ☿ 1. ♂ ♀ ☿ 3 &	
29	3	Quarter Court Ipswich.	18	♏	04	☐ ♀ ☿ 1. ♂ ♀ ☿ 3 &	
30	4		19	♏	19	☐ ♀ ☿ 17. ☐ ♀ ☿ 1.	
31	5		20	♏	04	☐ ♀ ☿ 1. ☐ ♀ ☿ 1.	

The Longitude of ♄ ♃ ♉ ♈ ♇ for every fifth day

D.	H.	E.	M.	♂	♀	♂	♀
129	36	03	29	02	36	16	15 23 52
629	20	03	15	06	21	18	00 29 57
1129	02	03	05	10	07	20	28 06 48
1628	42	03	01	13	53	23	31 14 17
2128	22	02	59	17	39	27	01 22 21
2627	59	03	04	21	36	00	57 00 03

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The second month called *Aprill* hath xxx dayes.

month	week	1	5	28 m.	6	32 m.
		On the 10 day, the Sun riseth at	5	16 m.	& sets at	6
		20	5	03 m.		6
						57 m.

1	6	Aldebaran fourth	2	53 m	21	V	46	+	18				
2	7		22	45	Vo	02				☐	☿	Δ	♂
3	1	Last quarter 11 h. 00 m.	23	44	17					☐	♂	☾	perig.
4	2	(at night)	24	42	☿	01				☐	♂	☾	Lun.
5	3	Court at Cambridg & N.	25	41	14					Δ	♂	☾	Lun.
6	4	Ury. r. l. x. x. v. (haven.	26	39	28					☐	♂	☾	♂
7	5	Saturn occidentall.	27	36	✕	11							
8	6	Antares sets 6 h. 38 m.	28	35	24					Δ	♂	☾	♂
9	7	Mercury occidentall.	29	34	V	07				☐	☾	☾	16
10	1	(7 h. 53 m morn	00	33	20					☐	♂	☾	☾
11	2	Artill. Camb. Newmo	01	31	☿	03				☐	♂	☾	☾
12	3	Court at Salisbury.	02	29	15					☐	♂	☾	☾
13	4	at Shepherd ordained	03	28	27					☐	♂	☾	☾
14	5	Aldebaran sets 9 h. 11 m.	04	26	☐	09				☐	♂	☾	☾
15	6		05	24	21					Δ	♂	☾	☾
16	7	Cor aquilæ rise 10 h. 47 m	06	22	☐	03				Δ	♂	☾	☾
17	1		07	20	14					Δ	♂	☾	☾
18	2		08	18	26					Δ	♂	☾	☾
19	3	Second quarter 12 m.	09	16	☐	08				☐	♂	☾	☾
20	4	(after noon)	10	14	21					☐	♂	☾	☾
21	5	Aldebaran sets 8 h. 14 m.	11	12	☐	03				☐	♂	☾	☾
22	6		12	10	16					☐	♂	☾	☾
23	7		13	08	30					☐	♂	☾	☾
24	1	Orions foot sets 7 h. 42 m	14	06	14					☐	♂	☾	☾
25	2		15	04	28					☐	♂	☾	☾
26	3	Count. Court Bost. ☐ Ful	16	02	13					☐	♂	☾	☾
27	4	(moon 3 h. 0 m. alt. no	17	00	28					☐	♂	☾	☾
28	5		17	58	+	12				☐	♂	☾	☾
29	6		18	55	27					☐	♂	☾	☾
30	7		19	53	Vo	12				☐	♂	☾	☾

The Longitude of ☿ ☽ ♀ ☿ ☽ for every fifth day.

D.	☿	☽	☽	☽	☽	☽	☽	☽	☽	☽
1	27	33	03	25	25	58	06	01	12	21.
6	27	10	03	30	29	45	10	42	22	28.
11	26	47	03	48	03	✕	31	15	17	03 ☽ 02.
16	26	25	04	10	07	17	20	11	13	45.
21	26	03	04	37	11	03	25	13	24	01.
26	27	43	05	08	14	48	00	V	24	03 ☽ 20.

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The third month called *May* hath xxxj dayes.

On the 10 day, the Sun riseth at 4 51 m. & sets at 7 09 m.
 On the 20 day, the Sun riseth at 4 42 m. & sets at 7 18 m.
 On the 30 day, the Sun riseth at 4 34 m. & sets at 7 26 m.

1	Spica virg south 9 h. 53 m.	20	51	27	♂ ♀ 14. Δ ♀ ♀
2		21	49	11	Δ ♀ ♀ 2. Δ ♀ ♀ 10.
3	Court N-hav. C Last	22	46	25	
4	(quarter 6 h. 8 m morn.	23	44	08	☿ ♀ ♀ 13. ☿ ♀ ♀
5	Sirius sets 7 h. 58 m.	24	41	21	
6		25	39	04	Δ ♀ ♀ 2. ☿ ♀ ♀ 13.
7	Arcturus south 10 h. 23 m.	26	37	17	♂ ♀

The Longitude of ♄ ♃ ♂ ♀ for every fifth day

D.	♄	♃	♂	♂	♂	♂	♂	♂	♂	♂
1 25	21 05	24 18	34 05	41 11	19	6 25	03 06	21 22	18 11	02 17 49
11 24	45 07	00 26	01 16	29 22	40	16 24	30 07	44 29	44 21	59 25 49
21 24	17 08	29 03	25 27	32 27	06	26 24	06 09	17 07	05 03	17 26 30

The fourth month called *June* hath xxx dayes.

Month	Week	On the	10 day, the Sun riseth at	4 28 m.	& sets at	7 32 m.
		20		4 27 m.		7 33 m.
		20		4 28 m.		7 32 m.
1		1	Last quarter 2 h. 43 m.	20	11 30	18
2		2	Court Hartford. (aft. noon)	21	27	01
3		3	Antares sets 14 h. 57 m.	22	24	14
4		4	Mercury Oriental.	23	21	23
5		5		24	18	09
6		6	ARTIL. Electio Boston.	25	16	22
7		7	Court at New-haven.	26	13	02
8		8		27	10	14
9		9	N-moon 2 h. 36 m.	28	07	26
10		10	(after noon)	29	04	08
11		11	Luci. Pleiad. rise 12 h. 48	00	01	20
12		12		00	58	02
13		13	Artillery at Cambridg.	01	55	14
14		14		02	52	26
15		15	Spica Virg. South 6 h. 50	03	49	09
16		16	Mercury Direct.	04	46	21
17		17	Direct. Sec'd quar.	05	43	04
18		18	(1 h. 2 m. aft. noon)	06	40	17
19		19	Arcturus sets 14 h. 50 m.	07	38	01
20		20		08	35	15
21		21	Court Court Charlestown	09	32	00
22		22		10	29	14
23		23	Lucida Cor. South 8 h. 33	11	26	19
24		24	Full moon 5 h. 46 m.	12	23	14
25		25	(morning)	13	20	29
26		26	Pomahant rise 11 h. 52 m.	14	17	14
27		27		15	14	28
28		28	Court at Salem.	16	11	12
29		29		17	08	26
30		30	Antares sets 13 h. 6 m.	18	05	09

The Longitude of ♄ ♀ ♂ ♃ ♆ for every fifth day.

	1	2	3	4	5	6	7	8	9	10
1	23	54	10	10	11	2	09	58	23	49.
6	23	48	11	12	15	03	15	38	20	58.
11	23	44	12	07	18	36	21	23	18	57.
16	23	43	13	04	22	08	27	12	18	27.
21	23	44	14	03	25	39	02	01	20	02.
26	23	48	15	04	29	06	08	51	23	34.

The fifth month called *July* hath xxxj dayes.

On the *10* day, the Sun riseth at *4 33 m.* & sets at *7 27 m.*
20 *4 40 m.* *7 20 m.*
4 50 m. *7 10 m.*

1	6	C	Last quarter 2 h. 2 m. in 19	03	Y	22	8	H	1.	♂♂♂♂
2	7		(morning. 20	00	8	05	12	Lun.	21	
3	1	F	omahant rise 11 h. 23 m. 20	57	18	18	19	C	♂♂♂♂	♂♂♂♂
4	2		21	54	29			Lun.	♂♂♂♂	♂♂♂♂
5	3		New-haven Court. 22	51	11	11	11	Lun.	♂♂♂♂	♂♂♂♂
6	4		Antares south 8 h. 24 m. 23	48	23			♂♂♂♂	♂♂♂♂	♂♂♂♂
7	5		24	45	09	09	09	♂♂♂♂	♂♂♂♂	♂♂♂♂
8	6		Arcturus sets 13 h. 28 m. 25	43	17			♂♂♂♂	♂♂♂♂	♂♂♂♂
9	7		26	40	29			Lun.	♂♂♂♂	♂♂♂♂
10	1		New-moon 5 h. 37 m. 27	37	11			Lun.	♂♂♂♂	♂♂♂♂
11	2		(in morn. 28	34	22			Lun.	♂♂♂♂	♂♂♂♂
12	3		Cor aquila sets 17 h. 59 m. 29	31	06			Lun.	♂♂♂♂	♂♂♂♂
13	4		Lucida coro. south 7 h. 13 00	29	18			♂♂♂♂	♂♂♂♂	♂♂♂♂
14	5		01	26	21			♂♂♂♂	♂♂♂♂	♂♂♂♂
15	6		Aldebaran rise 10 h. 32 m. 02	23	14			♂♂♂♂	♂♂♂♂	♂♂♂♂
16	7		03	20	27			♂♂♂♂	♂♂♂♂	♂♂♂♂
17	1		Secod quart. 9 h. 42 m. 04	18	11			♂♂♂♂	♂♂♂♂	♂♂♂♂
18	2		(at night. 05	15	25			♂♂♂♂	♂♂♂♂	♂♂♂♂
19	3		Arcturus south 5 h. 29 m. 06	12	09			♂♂♂♂	♂♂♂♂	♂♂♂♂
20	4		Orions foot rise 14 h. 36 m. 07	10	23			♂♂♂♂	♂♂♂♂	♂♂♂♂
21	5		08	07	08			♂♂♂♂	♂♂♂♂	♂♂♂♂
22	6		09	04	13			♂♂♂♂	♂♂♂♂	♂♂♂♂
23	7		Full moon 54 m. after 10	02	08			♂♂♂♂	♂♂♂♂	♂♂♂♂
24	1		Mercury Occident. (no 10	50	23			♂♂♂♂	♂♂♂♂	♂♂♂♂
25	2		11	57	08			♂♂♂♂	♂♂♂♂	♂♂♂♂
26	3		Country Court at Boston. 12	54	22			♂♂♂♂	♂♂♂♂	♂♂♂♂
27	4		13	52	06			♂♂♂♂	♂♂♂♂	♂♂♂♂
28	5		Lucida coro. sets 14 h. 9 m. 14	49	19			♂♂♂♂	♂♂♂♂	♂♂♂♂
29	6		15	47	02			♂♂♂♂	♂♂♂♂	♂♂♂♂
30	7		Last quarter 4 h. 15 m. 16	44	14			♂♂♂♂	♂♂♂♂	♂♂♂♂
31	1		(after noon 17	42	26			♂♂♂♂	♂♂♂♂	♂♂♂♂

The Longitude of ♄ ♃ ♂ ♀ for every fifth day

D.	♄	♃	♂	♂	♀	♂	♂
1 23	52	16	05	02	3	14	44 29 e6
6 24	02	17	07	05	52	10	38 06 28
11 24	12	18	09	09	11	26	34 15 27
16 24	25	19	13	12	36	03 06	42 25 24
21 24	40	20	17	15	36	08	29 05 45
26 24	57	21	22	18	43	14	29 16 05

The sixth month called *August* hath xxxij dayes.

month	week	On the	day	the Sun riseth at	sets at
	1	1	10	5 02 m.	6 57 m.
	2	2	11	5 11 m.	6 46 m.
	3	3	12	5 23 m.	6 32 m.

1	Aldebaran rise 11 h. 52 m.	8	29	II	28	with aldebaran
2	Court at New-haven.	19	37	III	20	Δ h. 4. 48.
3	Antares sets 10 h. 52 m.	20	37	IV	02	Capog.
4		21	32		13	□ h. 9.
5	Arcturus sets 11 h. 43 m.	22	30		25	□ h. 8. 02.
6	Jupiter Oriental.	23	38	Ω	28	□ h. 7. 02.
7	New moon 7 h. 49 m.	24	25		20	□ h. 7. 02.
8	at night.	25	23	☾	02	□ h. 6. 02.
9	COMMENCEMENT.	26	21		15	Δ h. 5. 02.
10	Sirius rise 13 h. 14 m.	27	19		27	□ h. 4. 02.
11		28	16	☾	11	□ h. 3. 02.
12	Lucid. coro. sets 13 h. 13	29	14		21	□ h. 2. 02.
13		coll.	12	m.	01	□ h. 1. 02.
14	Orions foot rise 13 h. 35 m.	01	10		21	□ h. 0. 02.
15	Second quarter 4 h. 52	02	08	→	05	Δ h. 0. 02.
16	1 m. in morn	03	06		19	Δ h. 0. 02.
17	Cor. aquilæ sets 4 h. 19 m.	04	04	☾	03	Δ h. 0. 02.
18	Hircus rise 7 h. 47 m.	05	02		18	Δ h. 0. 02.
19	Polaris South 12 h. 8 m.	06	00	☾	02	Δ h. 0. 02.
20		06	58		17	Δ h. 0. 02.
21	Full moon 9 h. 25 m.	07	57	✕	01	Δ h. 0. 02.
22	at night.	08	55		16	□ h. 0. 02.
23	Hircus rise 7 h. 29 m.	09	53	Y	01	□ h. 0. 02.
24		10	51		14	Δ h. 0. 02.
25	Sirius rise 14 h. 49 m.	11	49		27	Δ h. 0. 02.
26		12	48	☾	10	Δ h. 0. 02.
27		13	46		22	□ h. 0. 02.
28	Antares pleiad. rise 8 h. 52.	14	44	II	04	Δ h. 0. 02.
29	Last quarter 9 h. 32 m.	15	43		16	Δ h. 0. 02.
30	in morn.	16	41		28	Capog.
31		17	40	☾	10	□ h. 0. 02.

The Longitude of Δ γ δ ϵ ζ for every fifth day.

D.	h.	m.	z.	Ω	♈	♉	♊	♋	♌
1	25	21	22	41	22	17	21	42	27 48.
6	25	43	23	45	25	12	25	46	06 m 50.
11	26	07	24	53	28	03	03	51	15 16.
16	26	33	25	58	00	45	00	56	23 10.
21	26	52	27	03	03	21	16	02	00 = 24.
26	27	27	28	08	05	59	22	11	07 22.

The seventh month called *September* hath xxx dayes

Month	Week	1	5	44 m.	6	16 m.
days		On the 10 day, the Sun riseth at	5	37 m.	& sets at	83 m.
	20		6	11 m.		5 49 m.

1	Quarter Court Hartford.	18	38	22	♂ ♀ 32. 2 per
2	6	19	37	Ω 04	♀ w Spica Virgin
3	Ala pegasi south 12 h. 30 m	20	35	16	Lun. with Regulus.
4	1	21	34	28	♂ ♀ Lun.
5	Antares sets 8 h. 48 m	22	32	11	♂ in elong. max. 2. 5
6	Court of Alb. Boston &	23	31	24	♂ in elong. max. 2. 5
7	N-havē. & New moon	24	30	07	Δ ♂ ♀ C w Spi
8	(9 h 18 m. morn.	25	29	21	.
9	Ala pegasi sets 15 h. 58 m.	26	27	M 04	♂ h Lun. ♂ ♀ Lun.
10	7	27	26	18	C ♀
11	Pomahant sets 1 h. 27 m.	28	25	+ 02	□ ♀ Lun. 32.
12	Artillery FLECT. Cambr.	29	24	16	♂ ♀ ♀ Lun. 18.
13	Secod quarter 11 h. 8 m	30	23	W 00	□ ♂ ♀ 2 per. porta.
14	Cor aqu. south 7 h. 29. (be-	01	22	14	Δ ♂ Δ ♂ C pe
15	(fore noon)	02	21	28	♂ with Mercus.
16	Aldebaran rise 8 h. 1 m.	03	20	12	☿ h Lun. i.
17	7	04	19	26	Δ ♂ Lun. Δ ♀ Lun.
18	I Cor Ω rise 14 h. 38 m.	05	18	* 10	Δ h Lun. ♂ ♀ C.
19	Mercury Retrograde.	06	17	24	□ ♂ C ♂ ♀ Lun.
20	Fulmoon 8 h. 15 m. be-	07	16	V 08	□ ♂ C ♂ ♀ Lun.
21	(fore noon)	08	15	22	♂ with Orion.
22	Lucida plei. rise 7 h. 12 m.	09	15	05	♂ h C ♂ ♀ Lun.
23	6	10	14	17	.
24	Pomahant south 13 h. 31 m	11	13	00	Δ ♂ C C & pleiad.
25	1	12	12	12	□ ♀ ♂ C ♀
26	Cor aquila sets 13 h. 15 m	13	12	24	♂ ♀ Lun Δ ♀ Lun.
27	Court at Ipswich.	14	11	06	C Apg.
28	Last quarter 4 h 56 m.	15	11	18	♂ ♀ C 5.
29	(morning.)	16	10	00	□ h C 2.
30	Aldebaran rise 8 h. 13 m.	17	10	11	♂ ♀ ♂ ♀ Δ ♂

The Longitude of $\mathbf{H_2}$ $\mathbf{7}$ $\mathbf{6}$ \mathbf{Q} \mathbf{Q} for every fifth day.

D.	h	m	s	h	m	s	h	m	s	h	m	s
1	28	03	29	23	08	37	29	36	14	44		
6	28	34	00	27	10	44	05	46	19	53		
11	29	07	01	31	12	41	11	58	23	54		
16	29	40	02	31	34	25	18	10	26	12		
21	00	13	03	31	35	52	24	24	25	55		
26	00	48	04	29	17	10	00	32	22	34		

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The eighth month called October hath xxxj dayes.

month	week	On the	10 day, the Sun riseth at	6 27 m.	& sets at	5 33 m.
		20		6 39 m.		5 21 m.
dayes				6 53 m.		5 07 m.

1	Lucid. coro. sets 10 h. 8 m.	18	09	24	08	21.
2		19	09	08	08	Lun. 20.
3	Court at Cambr. & N-have	20	09	19		
4	New moon 10 h. 2 m.	21	08	22	08	(15.00 Lun.
5	(at night.	22	08	16	08	0239.
6	Aldebaran rise 7 h. 47 m.	23	07	29	08	Lun. 3.
7		24	07	14	08	
8		25	07	28	08	Lun. 13.
9	Antares sets 6 h. 57 m.	26	07	22	08	perihel.
10	Mercury Direct.	27	07	26	08	
11	Court at Hampton.	28	07	11	08	
12	Second quarter 5 h. 47 m.	29	07	25	08	Lun. perig.
13	(after noon.	00	08	09	08	Lun. 20.
14	Mars Retrograde.	01	08	23	08	Lun. 17.
15	Mercury Direct.	02	08	07	08	Lun. 1.
16	Saturn Oriental.	03	08	20	08	aper. por. 0
17		04	08	04	08	Lun. (el. 5. mak
18	Fom. hart sets 12 h. 10 m.	05	08	17	08	Lun. 21.
19	Full-moon 10 h. 11 m.	06	08	00	08	vifi. ecfin. 0
20	(at night.	07	09	13	08	Lun. 09.
21	Lucid. pleiad. rise 5 h. 30 m.	08	09	26	08	
22		09	09	08	08	Lun. 05. 05.
23	Cor aquila sets 11 h. 33 m.	10	10	20	08	Lun. 7.
24		11	10	03	08	Lun. 1.
25	County Court at Boston.	12	10	14	08	Lun. Capog.
26		13	11	26	08	Lun. 5.
27	Last quarter 12 h. 16 m.	14	11	07	08	Lun. 3.
28	(at night.	15	12	10	08	
29	Spica virginis rise 16 h. 52	16	12	02	08	Lun. 15.
30		17	13	14	08	Lun. 05. 05.
31	Cor 0 rise 11 h. 54 m.	18	13	27	08	

The Longitude of ♄ ♃ ♂ ♀ ♁ for every fifth day.

D.	h	m	♄	♃	♂	♀	♁
1	01	13	05	25	18	10	06
6	01	39	06	20	18	52	13
11	02	26	07	13	19	13	19
16	03	11	08	04	10	13	25
21	03	47	08	53	18	33	01
26	04	24	09	37	18	09	03

The ninth month called *November* hath xxx dayes.

month	week	dayes	On the	1 st day, the Sun riseth at	7 th 08 m.	& sets at	4 th 52 m.
			10	20	7 17 m.	4 43 m.	
			20		7 26 m.	4 34 m.	
1	3	N-haven Court. (morn.	19	14	10	Δ ♂ ☾ 10.	
2	4	☾ New moon 9 h. 52 m.	20	14	24	♂ ♀ ☾ 19.	
3	5	Orions foot rise 9 h. 15 m.	21	15	m 07	♂ ☾ ☾ ☾ ☾ ☾ ☾	
4	6		22	16	22	Eclipse of Sun	
5	7	Arcturus rise 15 h. 17 m.	23	16	→ 07	☾ Lun. ♂ ☾ Lun.	
6	1		24	17	21		
7	2	Cor aquilæ sets 10 h. 14 m.	25	18	☾ 06	Δ ☾ ☾. Lun perig.	
8	3		26	19	20		
9	4	Lucid. plei. south 11 k. 47.	27	19	☾ 05	☾ ☾ ☾. Δ ♂ Lun.	
10	5		28	20	20	☾ ☾ Lun. ☾ ☾ Lun.	
11	6	☾ Secd quarter 1 h. 57 m.	29	21	☾ 04	Δ ☾ Lun. ♂ ☾ Lun.	
12	7	(in y morn.	0	→ 22	17	Δ ☾ Lun. Δ ☾ Lun.	
13	1	Arcturus sets 9 h. 19 m.	01	23	☾ 01		
14	2		02	24	14		
15	3	Cor aquilæ south 10 h. 23 m.	03	25	27	♂ ☾ Lun. ♂ ☾ ☾.	
16	4	Venus begins to be even	04	26	☾ 09	Δ ☾ Lun. ☾ ☾.	
17	5	(star.	05	27	22	☾ with pleiades.	
18	6	☾ Pul-mo 3 h. 22 m. af. no 0	06	28	☾ 04	♂ ☾ ☾. ♂ ☾ ☾ Lun.	
19	7	Cor ☾ South 17 h. 28 m.	07	29	16	♂ ☾ ☾. ♂ ☾ ☾.	
20	1	Spica Virg. rise 15 h. 16 m.	08	30	28	Δ ☾ Lun. ☾ apog.	
21	2		09	31	☾ 01	♂ ☾ ☾. ♂ ☾ ☾.	
22	3	Mars & Mercury Occid.	10	22	22	☾ ☾ ☾. ☾ ☾ ☾.	
23	4	☾ ☾ ☾ ☾ ☾ ☾ ☾ ☾ ☾ ☾	11	33	☾ 04	☾ ☾ ☾. Δ ☾ Lun.	
24	5	Aldebaran rise 4 h. 32 m.	12	34	16	☾ ☾ ☾. ☾ ☾ ☾.	
25	6	☾ ☾ ☾ ☾ ☾ ☾ ☾ ☾ ☾ ☾	13	35	28	☾ ☾ ☾. ☾ ☾ ☾.	
26	7	☾ Last quarter 7 h. 56 m.	14	36	☾ 10	☾ ☾ ☾. ☾ ☾ ☾.	
27	1	(at night.	15	37	22	☾ ☾ ☾. ☾ ☾ ☾.	
28	2	Arcturus rise 13 h. 36 m.	16	38	☾ 05	☾ ☾ ☾. ☾ ☾ ☾.	
29	3	Court at Salem.	17	40	18	Δ ☾ Lun. ☾.	
30	4		18	41	m 02	☾ ☾ ☾. ☾ ☾ ☾.	

The Longitude of ♄ ♃ ♂ ♀ ♁ for every fifth day.

D.	F	m	F	m	♂	♀	♀	m	♀	m
I	05	07	10	28	16	43	15	46	07	36.
6	05	35	11	07	15	20	22	04	18	42.
11	06	16	11	42	13	38	28	31	23	27.
16	06	50	12	13	11	46	04+	39	01+	19.
21	07	24	12	40	09	49	10	57	09	10.
26	07	56	13	03	07	55	17	14	17	03.

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The tenth month called *December* hath xxxj dayes.

month	Week	On the	I	day, the Sun riseth at	7 32 m.	7 33 m.	& sets at	4 28 m.	4 27 m.	4 28 m.
dayes			20							
1	5	Court at Hartford.	19	→ 2 m 16	☐ ♄ ☿. ☿ ☿ Lun.					
2	6	Cor aquilæ sets 8 h. 40 m.	20	43 → 0	☿ ☿ ☿. ☿ ☿ Lun. 21.					
3	7	☾ New moon 9 h. 14 m.	21	45 15	☿ ☿ ☿. ☿ ☿ Lun. perig.					
4	1	(at night.	22	46 ☽ 00	☐ ♄ ☿. ☿ ☿ Lun.					
5	2	Hircus South 11 h. 19 m.	23	47 15	☐ ♄ ☿. ☿ ☿ Lun.					
6	3	New-haven Court.	24	48 ☽ 00	☐ ♄ ☿. ☿ ☿ Lun.					
7	4		25	50 15	☐ ♄ ☿. ☿ ☿ Lun.					
8	5	Lucid. pleiad. South 9 h. 33	26	51 ☿ 00	☐ ♄ ☿. ☿ ☿ Lun.					
9	6		27	52 14	☐ ♄ ☿. ☿ ☿ Lun.					
10	7	☾ Second quarter 43 m.	28	53 27	☐ ♄ ☿. ☿ ☿ Lun.					
11	1	(afternoon	29	55 11	☐ ♄ ☿. ☿ ☿ Lun.					
12	2	Sirius rise 7 h. 29 m.	30	56 ☽ 06	☐ ♄ ☿. ☿ ☿ Lun.					
13	3		01	57 06	☐ ♄ ☿. ☿ ☿ Lun.					
14	4	Fomahant sets 8 h. 9 m.	02	58 19	☐ ♄ ☿. ☿ ☿ Lun.					
15	5		03	00 01	☐ ♄ ☿. ☿ ☿ Lun.					
16	6	Aldebaran sets 16 h. 55 m.	04	00 13	☐ ♄ ☿. ☿ ☿ Lun.					
17	7	☾ in forenoon	05	01 25	☐ ♄ ☿. ☿ ☿ Lun.					
18	1	☾ Full-moon 9 h. 00 m.	06	02 07	☐ ♄ ☿. ☿ ☿ Lun.					
19	2	Jupiter Retrograde.	07	04 19	☐ ♄ ☿. ☿ ☿ Lun.					
20	3		08	05 01	☐ ♄ ☿. ☿ ☿ Lun.					
21	4	Orions foot sets 15 h. 15 m.	09	06 13	☐ ♄ ☿. ☿ ☿ Lun.					
22	5		10	08 25	☐ ♄ ☿. ☿ ☿ Lun.					
23	6	Cor aquilæ sets 7 h. 14 m.	11	09 19	☐ ♄ ☿. ☿ ☿ Lun.					
24	7		12	10 11	☐ ♄ ☿. ☿ ☿ Lun.					
25	1	(after noon.	13	11 01	☐ ♄ ☿. ☿ ☿ Lun.					
26	2	☾ Last quarter 14 m.	14	13 01	☐ ♄ ☿. ☿ ☿ Lun.					
27	3	Court. Court Charlestown	15	14 14	☐ ♄ ☿. ☿ ☿ Lun.					
28	4	Mars Direct.	16	15 27	☐ ♄ ☿. ☿ ☿ Lun.					
29	5		17	17 11	☐ ♄ ☿. ☿ ☿ Lun.					
30	6	Hircus South 9 h. 28 m.	18	18 24	☐ ♄ ☿. ☿ ☿ Lun.					
31	7		19	19 08	☐ ♄ ☿. ☿ ☿ Lun.					
			20	20 23	☐ ♄ ☿. ☿ ☿ Lun.					

The Longitude of ☿ ♄ ☿ ☿ ☿ for every fifth day.

☿	♄	☿	☿	☿	☿	☿	☿	☿	☿
1 08	26	13	21	06	11	23	31	24	47.
6 08	55	13	39	04	40	29	49	02	☽ 50.
11 09	24	13	46	03	25	06	☽ 07	10	47.
16 09	50	13	51	02	33	12	24	18	42.
21 10	14	13	50	02	00	18	41	26	26.
26 10	37	13	46	01	44	23	00	03	☽ 3.

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The eleventh month called *January* hath xxxj dayes,

month	week	On the	10 day, the Sun riseth at	7 25 m.	7 17 m.	& sets at	4 35 m.	4 43 m.	4 54 m.
days		20							
1	1		(morning 21)	22	23	23	Δ	♂	♂ 7.
2	2	☉ New moon	7 h. 40 m.	22	23	23	Δ	♂	♂ 7.
3	3	Court at New-haven.		23	24	24	Δ	♂	♂ 7.
4	4			24	25	24	Δ	♂	♂ 7.
5	5	Luci. Pleiad. south	7 h. 39	25	26	24	Δ	♂	♂ 7.
6	6	Mercury Retrograde.		26	28	23	Δ	♂	♂ 7.
7	7			27	29	23	Δ	♂	♂ 7.
8	8			28	30	20	Δ	♂	♂ 7.
9	2	☾ Second quarter	2 h. 40	29	31	03	Δ	♂	♂ 7.
10	3	(m. in morn.		00	32	10	Δ	♂	♂ 7.
11	4	Arcturus rise	10 h. 22 m.	01	33	28	Δ	♂	♂ 7.
12	5			02	35	10	Δ	♂	♂ 7.
13	6	Aldebaran rise	14 h. 53 m.	03	36	22	Δ	♂	♂ 7.
14	7	Mercury Oriental.		04	37	04	Δ	♂	♂ 7.
15	1			05	38	16	Δ	♂	♂ 7.
16	2	Orions foot south	8 h. 22	06	39	28	Δ	♂	♂ 7.
17	3	☉ Full moon	5 h. 49 m.	07	40	10	Δ	♂	♂ 7.
18	4	(in morn.		08	41	22	Δ	♂	♂ 7.
19	5	Ala pegasi sets	6 h. 56 m.	09	42	04	Δ	♂	♂ 7.
20	6			10	43	16	Δ	♂	♂ 7.
21	7			11	44	28	Δ	♂	♂ 7.
22	1	Sirius South	9 h. 29 m.	12	44	11	Δ	♂	♂ 7.
23	2			13	45	24	Δ	♂	♂ 7.
24	3	Counry Court at Boston.		14	46	06	Δ	♂	♂ 7.
25	4	☾ Last quarter	2 h. 7 m.	15	47	20	Δ	♂	♂ 7.
26	5	(morning		16	48	03	Δ	♂	♂ 7.
27	6	Mercury Direct.		17	49	17	Δ	♂	♂ 7.
28	7			18	49	02	Δ	♂	♂ 7.
29	1	Cor ♄ South	12 h. 21 m.	19	50	17	Δ	♂	♂ 7.
30	2	(in morning		20	51	02	Δ	♂	♂ 7.
31	3	☉ New moon	5 h. 56 m.	21	52	17	Δ	♂	♂ 7.

The Longitude of ♄ ♅ ♆ ♇ ♈ for every fifth day.

D.	h	m	♄	♅	♆	♇	♈	♉	♊
1	11	01	13	35	01	54	02	31	09
6	11	19	13	20	02	18	08	48	11
11	11	35	13	00	03	07	15	03	08
16	11	49	12	38	04	09	21	19	02
21	12	00	12	09	05	19	27	34	27
26	12	09	11	39	06	44	03	50	25

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The twelfth month called February hath xxix dayes

On the 10 day, the Sun riseth at 6 51 m. & sets at 5 09 m.
 40 39 m. & 21 m.
 27 m. & 33 m.

month	week	dayes	On the 10 day, the Sun riseth at	sets at
1	4		6 51 m.	5 09 m.
2	5	Arcturus rise 8 h. 53 m.	6 39 m.	5 21 m.
3	6		6 27 m.	5 33 m.
4	7	Sirius sets 13 h. 51 m.		
5	1			
6	2	Hircus South 6 h. 51 m.		
7	3	Second quarter 7 h. 37		
8	4	Chaven Court. (m. morn		
9	5			
10	6	Saturn retrograde.		
11	7			
12	1			
13	2	Lucid. Cor. south 16 h. 57		
14	3	(at night.		
15	4	Full moon 11 h. 36 m.		
16	5	Spica Virg. rise 9 h. 6 m.		
17	6	Jupiter occidental.		
18	7			
19	1			
20	2	Lucida. Coro. rise 8 h. 36 m.		
21	3			
22	4			
23	5	Last quarter 29 m after		
24	6	(noon.		
25	7	Cor S. South 10 h. 38 m.		
26	1			
27	2	Sirius sets 12 h. 12 m.		
28	3			
29	4			

The Longitude of ♄ ♀ ♁ ♂ for every fifth day.

D.	h	m	♄	♂	♁	♂	♀
1	12	15	10	57	08	40	11
6	12	18	10	19	10	29	17
11	12	19	09	41	12	23	33
16	12	17	09	01	14	23	46
21	12	11	08	15	16	31	57
26	12	04	07	44	18	45	06

A brief Explication and proof of the Philolaick Systeme.

THAT which the studious in Astronomy have propounded to themselves, as the main end & scope, to which they have directed their endeavours, hath bee finding out of some rational way, for \S salving of \S Celestiall appearances; In order to which there hath been a three-fold hypothesis invented; sc: the Ptolemaick, Tychonick & Philolaick; To let pass any further mention of the two former, the frame of \S last is as followes;

In the lowest room of the World, is placed the Sun, which challengeth to it self a centrall motion, finish't in \S space of about 26 dayes; which is evidenced by the late admirable invention of the Telescope, by which, the Solar spots are discovered to move round the body of \S Sun, from the celerity of whose motion nigh the middle of \S Solar disce, & tardity when they approach either limb of \S same, may more then conjecturally be drawn that they are contiguous to the body of \S Sun, of whose motion they participate: Next in order above \S Sun, moves \S Planet Mercury, and finishes his course in about 88 dayes. To whom succeeds Venus who accomplisheth her period in 225 dayes. After Venus is placed \S Earth, which besides her diurnal revolution in 24 houres, hath an Annual periodical motion through \S Ecliptique, performed in 365 dayes: about the Earth as its center, the secondary Planet the Moon is carryed, which goes from, & returnes to, the same point in \S Zodiacque in \S space of 27 dayes, which measures the periodical month. The next primary Planet is Mars, who finisheth his course in 2 yeares. Jupiter takes his place next after Mars and paceth round \S Sun in 12 yeares; about whom as in an epicycle move 4 other Planets, not visible to \S eye without the help of the Telescope. The last primary Planet, which is highest in place, & consequently slowest in motion, is Saturn, who runs his circuit in no less then 30 yeares: and as the Earth & Jupiter had their moons or concomitants, so is \S body of this Planet environed by two secondary Planets, not visible without \S help of the forenamed Instrument. In the outmost surface of this visible world, is seated \S Spheare of the fixt stars, which are altogether voyd of motion, but unchangeably retayn the places assigned them at their Creation.

That this is the true & genuine Systeme of the world, is plainly evinced from its exact squaring with the Phenomena, for, hence is drawn the reason why Venus & Mercury are never in opposition to \S Sun, & why the contrary is to be seene in the 3 superiour Planets: as also the reason of \S direction, retrogradation & station of \S two inferiour, and three superiour Planets, and why \S Earth and Moon are not subject to the like passions. Further hence may the true places of \S Planets be obtained, and their several inequalities rectified to a very point; as is evidently declared & proved by Mr. Vincent Wing in his *Astronomia Instaurata*.

Lastly

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Lastly, hence is taken away that gross difformity of motion, & farrago of eccentrical, eccentrical and epicyclicall, whimsyes, which pester the other Hypothesis, they being but meer figments and altogether impossible with γ uniform motion of γ Planets. The Objections usually brought to evert the truth of this System are easily answered, by the following propositions. scilicet.

1. That the *Orbit* in which γ Earth runs its annual circuit, in respect of the Starry sphere, hath no sensible magnitude. *Galileus.*

2. That there is no common Center of gravity: *Kepler, Galil. Digby, Origenus.*

3. That the motion of the Earth from West to East, is communicated, as to all earthly bodies, so to that portion of ayre which is contained within γ Concave of γ Moons Orbe. *Dr. Wile.*

4. That a common motion of bodies can imprint no force at all, to hinder, or further their different particular motions. *Wile Galil.*

Want of room forbids the application of these titles, which yet by the desire of satisfaction are easily applicable, for the solution of γ ordinary objections, whether Astronomical or Physical.

Those objections that are back't with Divine Authority, though they are most weighty, yet by the maintainers of this System, are not let pass without an answer, the breif whereof is

That the Scriptures being fitted as well to the capacity of the rudest mechanic, as of the ablest Philosopher, do not intend so much propriety & exactness, as playness & perspicuity; and in Philosophicall truths therein containd, the proper literal sense is alwayes subservient to the casting vote of reason. *Scherinus, Josephus, Escherinus.*

The most seemingly contradicting Scripture is *Psalm: 104. He hath founded the Earth, upon its Basis; that it should not be removed for ever.* But 1. Place is sometimes taken for the same with order, and in this sense the Earth doth not change its place, or is not removed. Cir. 2. The Basis of a figure, is that whereon it rests, answerable to which in γ Earth is its center, on which the Earth is so founded, that it cannot suffer a total dissipation.

The Earths ingresses into the four Cardinal points

Earth in \cap \odot in γ March 10 day 6 h. 25 m. morn.
 Earth in \vee \odot in γ June 11 day 11 h. 34 m. morn.
 Earth in γ \odot in γ Sept: 15 day 2 h. 24 m. morn.
 Earth in \cap \odot in γ Decēb: 11 day 1 h. 59 m. aft. noon

Note that the New moon in Novemb: is on 4 day.

E I N I S.